

Title (en)  
Coating for biomaterial

Title (de)  
Beschichtung für Biomaterial

Title (fr)  
Revêtement pour biomatériau

Publication  
**EP 0652017 B2 20040107 (DE)**

Application  
**EP 94115691 A 19941005**

Priority  
DE 4334272 A 19931007

Abstract (en)  
[origin: EP0652017A1] The term biomaterial is generally applied to describe a material which can be introduced into the bloodstream or the tissue of the human body, for example infusion, cardiac or balloon-tipped catheters, electrodes for pacemakers or defibrillators, suture material, vascular prostheses, supportive structures for vessels, so-called stents or the like. It is known to coat such biomaterials in order to prevent, in particular, deposition of plasma and cell constituents and hence coagulation. According to the invention, a lacquer-like coating of a blood- and tissue-compatible material having a layer thickness below 100 micrometers, preferably 10 micrometers, is built up and is permanently degraded in the body. Any depositing plasma or cell constituents are liberated upon degradation of this coating material. Moreover, anticoagulants and anti-inflammatory substances may be incorporated in the coating material.

IPC 1-7  
**A61L 33/00**

IPC 8 full level  
**A61L 33/00** (2006.01); **A61L 33/06** (2006.01); **A61L 33/08** (2006.01); **A61L 33/12** (2006.01)

CPC (source: EP)  
**A61L 33/0005** (2013.01); **A61L 33/064** (2013.01); **A61L 33/068** (2013.01); **A61L 33/08** (2013.01); **A61L 33/124** (2013.01); **A61L 33/128** (2013.01)

Citation (opposition)  
Opponent :

- DE 3913926 C2 19910321
- EP 0237037 B1 19910814

Cited by  
EP1849434A1; US6998134B2; KR101240293B1; EP1913960A1; EP0784994A1; EP0783901A3; US5713943A; DE102006018630A1; DE102006018630B4; DE19718430A1; EP0784995A1; DE102012204667A1; US10314912B2; WO0015273A1; US6607553B1; US6736842B2; US10646622B2; WO2013110720A1; DE102012201094A1; US8236338B2; US8568763B2; US9125970B2; US10729820B2; EP1683531A1; US8092824B2; DE202005021979U1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0652017 A1 19950510; EP 0652017 B1 19990908; EP 0652017 B2 20040107; DE 59408725 D1 19991014**

DOCDB simple family (application)  
**EP 94115691 A 19941005; DE 59408725 T 19941005**